



2020 DECI WORKSHOP

February 26, 2020

Designated Erosion Control Inspector Workshop Lake County SMC

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Sr. Civil Engineer

February 26, 2020



Welcome and Housekeeping Items

- Restrooms are located next to the breakfast area and in the lobby
- Please mute your cell phones
- All materials will be made available on the SMC website

DECI Program

- Modeled after other regional programs:
 - Delaware, Georgia, Michigan
- Uses basic NPDES structure
- Adopted in January 2006
- Training workshops since 2007
- Everyone (DECI or not) is invited to participate in the trainings



Goals of the DECI Program

1. Increase awareness and monitoring of soil erosion and sediment control (SE/SC)
2. Improve communication between the regulatory agency and developer for SE/SC issues
3. Reduce suspended sediment levels in receiving streams and lakes
- 4. Improve water quality**



What is a DECI?

- Liaison between applicant/developer and Enforcement Officer
- Trained and qualified SE/SC inspector
- Employed by the applicant and not the permitting agency



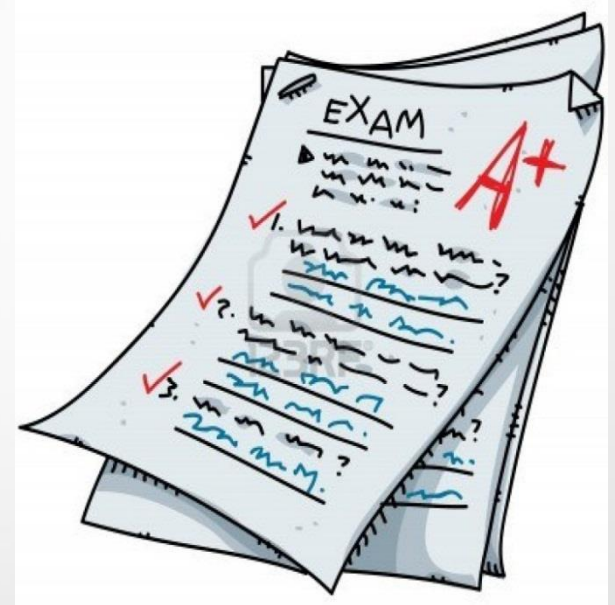
Becoming a DECI

- Pass the DECI Exam
- Complete SMC-approved SE/SC course
- One Page SOQ
 - Either
 - CPESC or CESSWI designation
 - Two years cumulative experience
- SMC review and approval



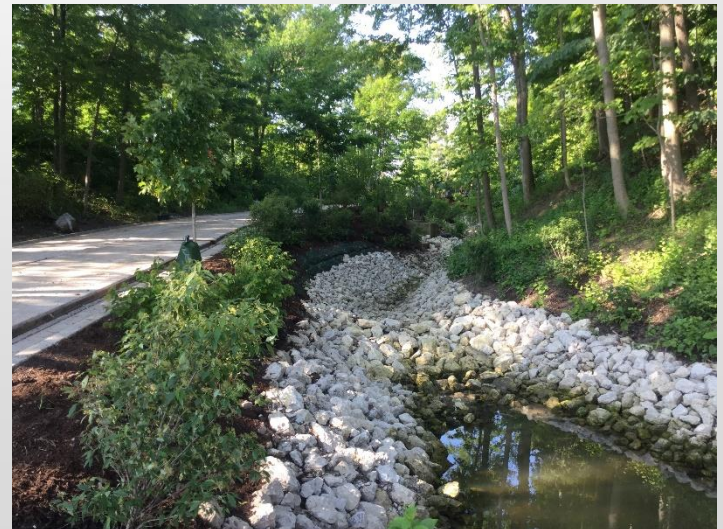
SMC DECI Exam

- 100 questions
 - WDO requirements
 - SE/SC practical application
- Online/Open book
- \$0 (free)
- 3-hour time limit
- Need a 90% or better to pass



Maintaining DECI Status

- Relisting of DECIs every 3 years (2020)
- 24 work-related PDHs during the relisting period
 - Red Vector
 - PDHOnline.org
 - Forester University
 - Encap, Inc. (continuing education only)
 - DECI Workshop
 - Others, as approved



2020 Re-listing

- The Lake County WDO requires updating of the DECI list every three years by the SMC.
 - The current 3-year listing period is April 1, 2017-April 1, 2020
- You must be a DECI already in order to re-list
- EVERYONE MUST RELIST REGARDLESS OF THE YEAR THEY BECAME A DECI
- Relisting will be performed using Energov, which will allow training hours and certificates to be uploaded
- Relisting will begin shortly after this workshop

2020 Re-listing

- **To be relisted, you will need to provide SMC with the following :**
 1. Pay online \$60.00 (plus a small processing fee)
 2. Documentation (online submission) of a minimum number of hours or work-related training according to the following guidelines:

2020 Re-listing

- DECIIs listed in 2017:
- A minimum of 24 hours of work-related professional development training completed
- DECIIs listed in 2018:
- A minimum of 16 hours of work-related professional development training completed
- DECIIs listed in 2019 and 2020:
- Will not need to provide training documentation until the next listing period
- Will still need to go through the relisting steps, as explained on the previous slides
- This information and more details will be sent out following this workshop and will also be available on SMC's website.

DECI De-listing

- SMC has authority and responsibility to suspend a DECI's status for repeated or recurring non-compliance
- De-listing procedure includes formal notification to DECI with response request
 - Inadequate response = strike

X X X



When is a DECI Required?

- Regulated development in Lake County
 1. Exceeds 10 acres of hydrologic disturbance
 2. Exceeds 1 acre of hydrologic disturbance and has a regulatory floodplain or wetlands (IWLC or WOUS) on-site or on adjoining property
- At the Discretion of the EO:
 1. Less than or equal to 1 acre of hydrologic disturbance and has a regulatory floodplain or wetlands on-site or on adjoining property

DECI Responsibilities

- Inspect after every 7 calendar days and within 24 hours of a storm event with greater than or equal to 0.5-inch of rainfall or liquid equivalent precipitation
- Keep a written log of inspections (with pictures)
 - “The DECI shall provide weekly reports to the SMC Inspector. *At a minimum, the reports shall include photographs* and evaluation of critical areas, as directed by the SMC Inspector, including:
 - Dewatering activities
 - Verifying no wetland impacts
 - Utilization of appropriate SE/SC methods”

DECI Responsibilities

- Keep a copy of EO-approved SE/SC plans at the development site
- Notify EO within 24 hours of when the site is not in compliance with WDO or approved SE/SC plans
- Propose corrective measures
- Recommend additional SE/SC prevention measures, as necessary

Required Inspections

- After completion of installation of SE/SC measures, prior to proceeding with any other earth disturbance or grading
- Routine Inspections:
 - Every 7 calendar days
 - Within 24 hours after 0.5-inch precipitation



Recommended Inspections

- After site clearing of tree and brush
- After rough grading
- After final grading
- After seeding and landscaping
- After permanent stabilization and landscaping, prior to SE/SC removal
- After removal of SE/SC measures

<http://www.lakecountyiil.gov/2470/Designated-Erosion-Control-Inspector-Pro> (Under DECI expectations)

[illegible]

Concrete Washout	<ul style="list-style-type: none"> Is there an available on site concrete washout? Is the concrete washout self-contained? Is the concrete washout well-maintained and functional? 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Construction Access (i.e. right-of-way)	<ul style="list-style-type: none"> Are all ingress and egress points covered by a temporary construction entrance? Is the entrance constructed with 4" concrete aggregate? Is an appropriate gradeable mat installed underneath the fence? Is the entrance appropriately sized, both in width and length? Is the entrance adequately providing trailing of dirt, mud, and sediment onto roadway? 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Construction Signaging	<ul style="list-style-type: none"> Is the project in sign with all approved construction signposting? Does the construction signposting bear adequate SDCG performance? Is the stormwater management system for the project installed and functional? 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Detention/Retention Basin	<ul style="list-style-type: none"> Is the basin installed? Is the basin adequately stabilized? Is there evidence of sufficient coverage of native vegetation? Is the emergency overflow constructed with the required materials? 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Dispersing Facility	<ul style="list-style-type: none"> Is dispersing device constructed a waterway or wetland? Are dispersing activities conveying sediment later water? Are appropriate conveying BMP's in place and functioning effectively? Is a sediment trap being used, is it capturing sediment effectively? 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Dissemination Ditching	<ul style="list-style-type: none"> Is there a contingency plan in place for future-outlet use? Is there any evidence of uncontained later-out use? Is the structural ditching/soil health being monitored regularly for free-out? Is disseminated ditching material being observed of property? 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Ditch Checks	<ul style="list-style-type: none"> Are ditch checks installed at all required locations, as needed? Are ditch checks installed correctly? Are ditch checks being maintained/checked regularly? 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Dust Control	<ul style="list-style-type: none"> Is dust control measures being used as needed? Is dust control meeting other site goals? Are dust measures being swept or vacuumed when needed? 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
ECOTRIP Installation	<ul style="list-style-type: none"> Are all Erosion Control Blankets or Turf Reinforcement Mats installed per plan? Are all ECOTRIP installed with the correct slope pattern? Are all ECOTRIP properly installed in above necessary? Are all ECOTRIP installed perpendicular to the slope? 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

When are DECIs Done Inspecting?

- After permanent stabilization *and* EO approval of the as-built plans



Permanent Stabilization

- SMC's as-built approval requirements:
 - 90% areal coverage of vegetation, of which at least 50% must be the desired species (EPA requires 70%)
 - No erosion, sedimentation or unstabilized areas
 - This includes stockpiles, if left for prolonged periods of time
- SE/SC removal
 - *After* permanent site stabilization has been achieved
 - Includes silt fence, perforated risers, etc.

Questions?

Lake County SMC

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